

Rabbit PVRL1/NECTIN1 Polyclonal Antibody | anti-NECTIN1 antibody

Anti-PVRL1/NECTIN1 Antibody

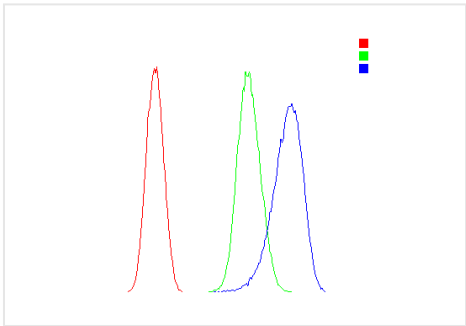
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA19303	Rabbit	Human, Mouse, Rat	Western Blot, Immunohistochemistry, Flow Cytometry, Functional Assay, ELISA

PRODUCT SYNONYMS

PVRL1/NECTIN1; Polyclonal Antibody; Anti-PVRL1/NECTIN1 Antibody; Nectin-1; Herpes virus entry mediator C; Herpesvirus entry mediator C; HveC; Herpesvirus Ig-like receptor; HlgR; Nectin cell adhesion molecule 1; Poliovirus receptor-related protein 1; CD antigen CD111; NECTIN1; HVEC; PRR1; PVRL1; nectin cell adhesion molecule 1; anti-NECTIN1 antibody

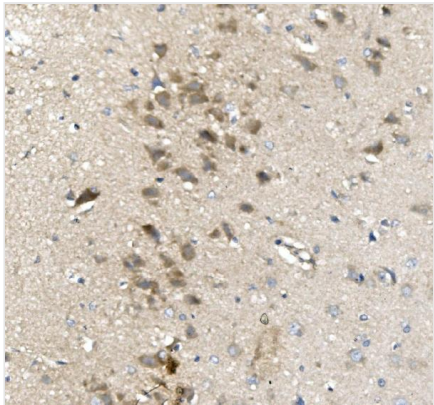
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Rabbit IgG polyclonal antibody for PVRL1/NECTIN1 detection.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na2HPO4, 0.01mg NaN3.
Applicable Applications for anti-NECTIN1 antibody	WB (Western Blot), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry), ELISA (Direct ELISA)
Application Notes	WB: 0.1-0.25ug/ml Human, Mouse, Rat IHC-P: 0.5-1ug/ml Human, Rat FC/FACS/FCM: 1-3ug/1x106 cells Human Direct ELISA: 0.1-0.5ug/ml Human
Immunogen	E Coli-derived human PVRL1/NECTIN1 recombinant protein (Position: V32-E237).
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Recommended Detection Systems	Recommended Detection Systems
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



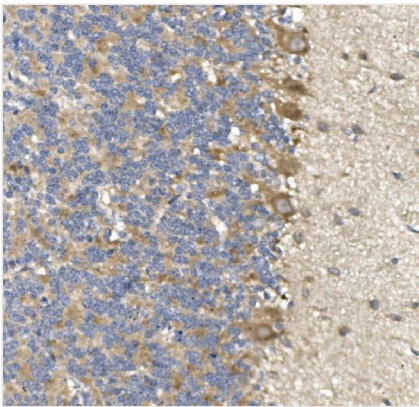
FCM (Flow Cytometry)

Figure 7. Flow Cytometry analysis of PC-3 cells using anti-PVRL1/NECTIN1 antibody (AAA19303). Overlay histogram showing PC-3 cells stained with AAA19303 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-PVRL1/NECTIN1 Antibody (AAA19303, 1μg/1x10⁶ cells) for 30 min at 20 degree C. DyLight®488 conjugated goat anti-rabbit IgG (5-10μg/1x10⁶ cells) was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1μg/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



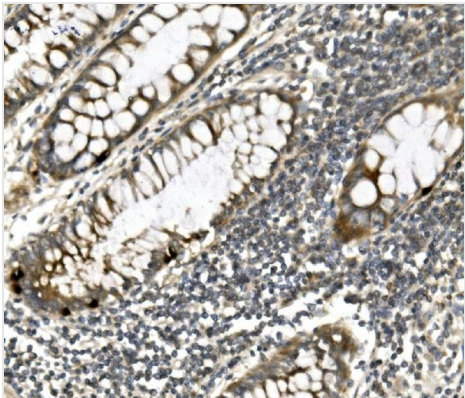
IHC (Immunohistochemistry)

Figure 5. IHC analysis of PVRL1/NECTIN1 using anti-PVRL1/NECTIN1 antibody (AAA19303). PVRL1/NECTIN1 was detected in paraffin-embedded section of rat brain tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH8. 0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1μg/ml rabbit anti-PVRL1/NECTIN1 Antibody (AAA19303) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) (Catalog # with DAB as the chromogen).



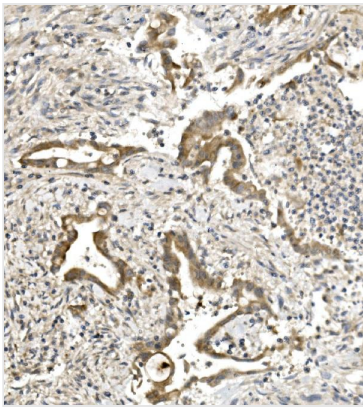
IHC (Immunohistochemistry)

Figure 6. IHC analysis of PVRL1/NECTIN1 using anti-PVRL1/NECTIN1 antibody (AAA19303). PVRL1/NECTIN1 was detected in paraffin-embedded section of rat brain tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH8. 0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1μg/ml rabbit anti-PVRL1/NECTIN1 Antibody (AAA19303) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) (Catalog # with DAB as the chromogen).



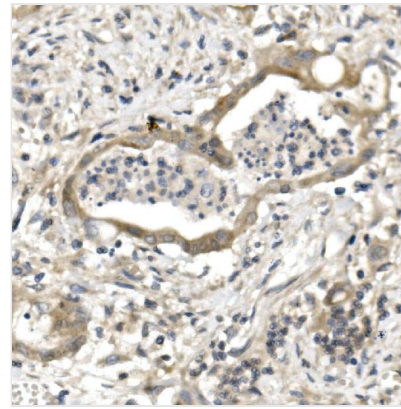
IHC (Immunohistochemistry)

Figure 4. IHC analysis of PVRL1/NECTIN1 using anti-PVRL1/NECTIN1 antibody (AAA19303). PVRL1/NECTIN1 was detected in paraffin-embedded section of human rectal cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH8. 0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1μg/ml rabbit anti-PVRL1/NECTIN1 Antibody (AAA19303) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) (Catalog # with DAB as the chromogen).



IHC (Immunohistochemistry)

Figure 3. IHC analysis of PVRL1/NECTIN1 using anti-PVRL1/NECTIN1 antibody (AAA19303). PVRL1/NECTIN1 was detected in paraffin-embedded section of human rectal cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH8. 0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1μg/ml rabbit anti-PVRL1/NECTIN1 Antibody (AAA19303) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) (Catalog # with DAB as the chromogen).



IHC (Immunohistochemistry)

Figure 2. IHC analysis of PVRL1/NECTIN1 using anti-PVRL1/NECTIN1 antibody (AAA19303). PVRL1/NECTIN1 was detected in paraffin-embedded section of human rectal cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH8. 0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1μg/ml rabbit anti-PVRL1/NECTIN1 Antibody (AAA19303) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) (Catalog # with DAB as the chromogen).

ADDITIONAL INFORMATION

Related Product Information for anti-NECTIN1 antibody	This gene encodes an adhesion protein that plays a role in the organization of adherens junctions and tight junctions in epithelial and endothelial cells. The protein is a calcium(2+)-independent cell-cell adhesion molecule that belongs to the immunoglobulin superfamily and has 3 extracellular immunoglobulin-like loops, a single transmembrane domain (in some isoforms), and a cytoplasmic region. This protein acts as a receptor for glycoprotein D (gD) of herpes simplex viruses 1 and 2 (HSV-1, HSV-2), and pseudorabies virus (PRV) and mediates viral entry into epithelial and neuronal cells. Mutations in this gene cause cleft lip and palate/ectodermal dysplasia 1 syndrome (CLPED1) as well as non-syndromic cleft lip with or without cleft palate (CL/P). Alternative splicing results in multiple transcript variants encoding proteins with distinct C-termini.
References	- Barron, M. J., Brookes, S. J., Draper, C. E., Garrod, D., Kirkham, J., Shore, R. C., Dixon, M. J. The cell adhesion molecule nectin-1 is critical for normal enamel formation in mice. <i>Hum. Molec. Genet.</i> 17: 3509-3520, 2008. - Geraghty, R. J., Krummenacher, C., Cohen, G. H., Eisenberg, R. J., Spear, P. G. Entry of alphaherpesviruses mediated by poliovirus receptor-related protein 1 and poliovirus receptor. <i>Science</i> 280: 1618-1620, 1998. - Lopez, M., Eberle, F., Mattei, M. G., Gabert, J., Birg, F., Bardin, F., Maroc, C., Dubreuil, P. Complementary DNA characterization and chromosomal localization of a human gene related to the poliovirus receptor-encoding gene. <i>Gene</i> 155: 261-265, 1995.

NCBI AND UNIPROT INFORMATION

NCBI GI #	42560237
NCBI GeneID	5818
NCBI Accession #	NP_002846.3
NCBI GenBank Nucleotide #	NM_002855.4
UniProt Accession #	Q15223 ; O75465 ; Q2M3D3 ; Q9HBE6 ; Q9HBW2
Molecular Weight	57,158 Da
NCBI Official Full Name	poliovirus receptor-related protein 1 isoform 1
NCBI Official Synonym Full Names	poliovirus receptor-related 1 (herpesvirus entry mediator C)
NCBI Official Symbol	PVRL1
NCBI Official Synonym Symbols	ED4; PRR; HlgR; HVEC; OFC7; PRR1; PVRR; CD111; PVRR1; SK-12; CLPED1; nectin-1

NCBI Protein Information	poliovirus receptor-related protein 1; nectin 1; poliovirus receptor-like 1; herpesvirus Ig-like receptor; herpes virus entry mediator C; ectodermal dysplasia 4 (Margarita Island type)
UniProt Protein Name	Poliovirus receptor-related protein 1
UniProt Gene Name	PVRL1
UniProt Synonym Gene Names	HVEC; PRR1; Herpesvirus entry mediator C; HveC; HIgR
UniProt Entry Name	PVRL1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/pvrl1-nectin1-antibody-western-blot-immunohistochemistry-flow-cytometry-direct-elisa-elisa/19303>